
SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: Reveal for Beef
- Product Part Number: 9533
- Product Description: 10 Reveal Raw Beef Lateral Flow Test Strips
10 clear sample tubes
10 vials of sample diluent (800 ul)
10 disposable 100 µl pipettes
10 disposable 200 µl pipettes

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Lateral flow based assay for the detection of raw beef; For professional use only.
- Use advised against: Not for sale to the general public

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Neogen Europe Ltd
- Address of Supplier: The Dairy School
Auchincruive
Ayr, Scotland
KA6 5HW
UK
- Telephone: +44 (0) 1292 525 600
- Email: info_uk@neogeneurope.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1292 525 600

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not Classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

- Symbols: None
- Signal Word: None
- Hazard statements
None
- Precautionary statements
None
- Supplemental Hazard information (EU)
EUH210 - Safety data sheet available on request.

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

SECTION 3: Composition/information on ingredients



SECTION 3: Composition/information on ingredients (....)

3.1 Substances

3.2 Mixtures

Sample Diluent (10 x 800 µl)

- sodium azide

Concentration: 0.1%

CAS Number: 26628-22-8

EC Number: 247-852-1

Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Acute Tox. 2, H300; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; EUH032

Substance with a workplace exposure limit, see Section 8

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with skin
Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
If skin irritation occurs: Get medical advice/attention.
- Contact with eyes
If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
Irrigate eyes thoroughly whilst lifting eyelids
If eye irritation persists: Get medical advice/attention.
- Ingestion
Do NOT induce vomiting.
Rinse mouth with water (do not swallow)
Never give anything by mouth to an unconscious person
IF exposed or concerned: Get medical advice/attention.
- Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes
Mildly irritating to eyes
- Contact with skin
Mildly irritating to skin
- Ingestion
The ingestion of significant quantities may cause dizziness, confusion, headache or stupor
May cause gastro-intestinal disturbances
- Inhalation
In cases of severe exposure, irritation of the respiratory tract may develop

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire: use alcohol resistant foam or dry agent for extinction



SECTION 5: Firefighting measures (....)

- Unsuitable extinguishing media: high volume water jet

5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes
- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include nitrogen and carbon oxides

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
- Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- Smoke from fires is toxic. Take precautions to protect personnel from exposure
- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- No action shall be taken involving any personal risk or without suitable training
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Avoid breathing vapours, mist or gas; Avoid contact with skin and eyes; Contaminated clothing should be laundered before reuse; Wash thoroughly after dealing with spillage; Eyewash bottles should be available
- Personal precautions for emergency responders: Evacuate the area and keep personnel upwind; Rescuers should put on approved respiratory protection before entering the area to render first aid; Wear protective clothing as per section 8; Wash thoroughly after dealing with spillage

6.2 Environmental precautions

- Avoid release to the environment.
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- In case of leakage, eliminate all ignition sources.
- Stop leak if safe to do so.
- Small spills
 - Wipe up spillage with damp absorbent cloth or towel
 - Place in sealable container
- Large spills
 - Absorb spillage in inert material and shovel up
 - Place in sealable container
 - Seal containers and label them
 - Remove contaminated material to safe location for subsequent disposal
 - Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- See section(s): 7, 8 & 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Do not eat, drink or smoke when using this product.
- Do not get in eyes, on skin, or on clothing.
- Avoid breathing vapours, mist or gas
- Ensure adequate ventilation
- Wash thoroughly after handling.
- Contaminated clothing should be laundered before reuse



SECTION 7: Handling and storage (....)

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Store at ambient temperature
- Keep away from oxidisers, heat, flames or ignition sources
- Protect from sunlight.
- Keep away from food, drink and animal feedingstuffs

7.3 Specific end use(s)

- Lateral flow based assay for the detection of raw beef
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- For currently recommended monitoring procedures, see HSE series 'Methods for the Determination of Hazardous Substances' (MDHS)
- sodium azide
 - (EU) OELV (long term TWA) 0.1 mg/m³
 - (EU) OELV (short term limit value) 0.3 mg/m³
 - WEL (long term) 0.1 mg/m³ (UK, can be absorbed through the skin)
 - WEL (short term) 0.3 mg/m³ (UK, can be absorbed through the skin)
 - DNEL (inhalational) 164 ug/m³ Industry, Long Term, Systemic Effects
 - DNEL (dermal) 46.7 ug/kg (bw/day) Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 29 ug/m³ Consumer, Long Term, Systemic Effects
 - DNEL (dermal) 16.7 ug/kg (bw/day) Consumer, Long Term, Systemic Effects
 - DNEL (oral) 16.7 ug/kg (bw/day) Consumer, Long Term, Systemic Effects
 - PNEC aqua (freshwater) 350 ng/l
 - PNEC aqua (intermittent releases, freshwater) 3.5 ug/l
 - PNEC aqua (marine water) 15 ng/l
 - PNEC aqua (intermittent releases, marine water) 150 ng/l
 - PNEC (STP) 30 ug/l
 - PNEC sediment (freshwater) 16.7 ug/kg
 - PNEC sediment (marine water) 720 ng/kg

8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls
 - Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
 - Use local exhaust ventilation and/or enclosures.
- Respiratory protection
 - No respiratory protection is needed during normal handling
 - In case of insufficient ventilation, wear suitable respiratory equipment
 - Where a reusable half mask respirator is required, use EN 140, with gas/vapour filter EN 14387 type ABEK, or EN 405; EN 1827 and EN 143 particle filter
- Skin protection
 - Wear lab coat
 - Wear disposable gloves
 - The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
 - The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Eye/face protection
 - Wear safety glasses approved to standard EN 166.

SECTION 8: Exposure controls/personal protection (....)

- Hygiene measures
 - Use good personal hygiene practices
 - Do not eat, drink or smoke when using this product.
 - Wash thoroughly after handling.
 - Eyewash bottles should be available



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Aqueous solution; clear; colourless
- Odour: No information available
- Odour threshold: No information available
- pH: 8.0 ± 0.5
- Melting point/freezing point: No information available
- Initial boiling point and boiling range: No information available
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability (solid,gas): Not applicable
- Upper/lower flammability or explosive limits: No information available
- Vapour Pressure: No information available
- Vapour Density: No information available
- Relative Density: No information available
- Solubility(ies): Soluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- Viscosity: No information available
- Explosive Properties: No information available
- Oxidising Properties: No information available

9.2 Other information

- No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

- Incompatible with oxidizing substances

10.6 Hazardous decomposition products



SECTION 10: Stability and reactivity (....)

- Decomposition products may include nitrogen and carbon oxides
 - Decomposition products may include sodium oxides
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute Toxicity
Based on available data, the classification criteria are not met
LD50 (oral, rat): (sodium azide) 27 mg/kg
LD50 (dermal, rabbit) (sodium azide) 20 mg/kg bw
 - Skin corrosion/irritation
Based on available data, the classification criteria are not met
 - Serious eye damage/irritation
Based on available data, the classification criteria are not met
 - Respiratory or skin sensitisation
Based on available data, the classification criteria are not met
 - Germ cell mutagenicity
No information available
 - Carcinogenicity
No information available
 - Reproductive toxicity
No information available
 - Specific target organ toxicity (STOT) - single exposure
No information available
 - Specific target organ toxicity (STOT) - repeated exposure
No information available
 - Aspiration hazard
No information available
 - Contact with eyes
May cause redness and irritation
 - Contact with skin
May cause irritation
May be harmful if absorbed through skin
 - Ingestion
The ingestion of significant quantities may cause dizziness, confusion, headache or stupor
May cause gastro-intestinal disturbances
 - Inhalation
In cases of severe exposure, irritation of the respiratory tract may develop
-

SECTION 12: Ecological information

12.1 Toxicity

- Based on available data, the classification criteria are not met
- sodium azide
LC50 (fish) 2.75 - 3.28 mg/l (4 days)
EC50 (aquatic invertebrates) 5 mg/l (48 hr)
EC50 (aquatic algae) 350 ug/l (96 hr)

12.2 Persistence and degradability

- No data available
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SECTION 12: Ecological information (....)

- 12.3 Bioaccumulative potential
 - No information available
 - 12.4 Mobility in soil
 - No information available
 - 12.5 Results of PBT and vPvB assessment
 - Not a PBT according to REACH Annex XIII
 - Not a vPvB according to REACH Annex XIII
 - 12.6 Other adverse effects
 - No information available
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SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
 - Disposal should be in accordance with local, state or national legislation
 - Do not discharge into drains or the environment, dispose to an authorised waste collection point
 - Refer to manufacturer/supplier for information on recovery/recycling
 - 13.2 Classification
 - The waste must be identified according to the List of Wastes (2000/532/EC)
-

SECTION 14: Transport information

Not classified as hazardous for transport

- 14.1 UN number
 - UN No.: Not applicable
- 14.2 UN proper shipping name
 - Proper Shipping Name: Not applicable
- 14.3 Transport hazard class(es)
 - Hazard Class: Not applicable
- 14.4 Packing group
 - Packing Group: Not applicable
- 14.5 Environmental hazards
 - On available data, substance is not harmful to the environment
- 14.6 Special precautions for user
 - Not Classified
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
 - Not Classified
- 14.8 Road/Rail (ADR/RID)
 - Proper Shipping Name: Not applicable
 - ADR UN No.: Not applicable
 - ADR Hazard Class: Not applicable
 - ADR Packing Group: Not applicable
 - Tunnel Code: Not applicable
- 14.9 Sea (IMDG)



SECTION 14: Transport information (....)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG Flashpoint: Not applicable

14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out

SECTION 16: Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Sources of data: Information from published literature and company data

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- Not classified based on calculation and concentration thresholds

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H300: Fatal if swallowed
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects
- EUH032: Contact with acids liberates very toxic gas

Acronyms

- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EC50: Effective Concentration, 50%
- GHS: Globally Harmonised System
- LC50: Lethal Concentration, 50%
- LD50: Lethal Dose, 50%
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---
